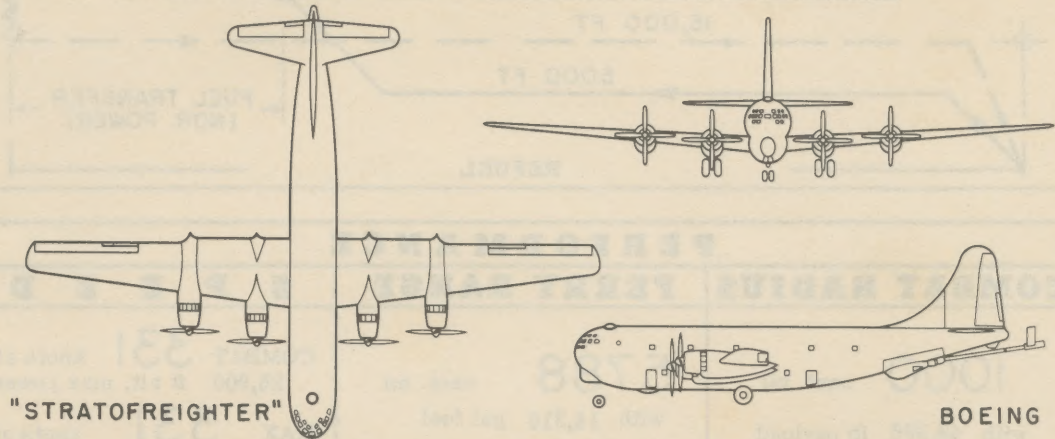


Characteristics Summary

TANKER KC-97E



Wing Area 1768.7 sq ft

Length 117.4 ft

Span 141.2 ft

Height 38.3 ft

Height (Fin folded) 26.6 ft

AVAILABILITY

PROCUREMENT

Number available

Number to be delivered in fiscal years

ACTIVE	RESERVE	TOTAL				

STATUS

1. Definitive Contract: Jan 51
2. First Flight: Jun 51
3. First Acceptance: Jul 51
4. Production Completed: Mar 52

Navy Equivalent: None

Mfr's Model: 367-4-29

POWER PLANT

(4) R-4360-65
Pratt & Whitney

ENGINE RATINGS

BHP-RPM-ALT-MIN
T.O: *3500-2700-S.L. - 5

Mil: *3500-2700- 500 -30
3250-2700- 1000 -30

* Wet

Note: Increased altitude performance is available through use of external turbo supercharging

FEATURES

Removable AFR Equipment

Fuselage Pressurization

Folding Fin & Rudder

Reverse Pitch Props

Rendezvous Radar

AFR "Flying Boom" System

Cargo Conversion Kit (prov)

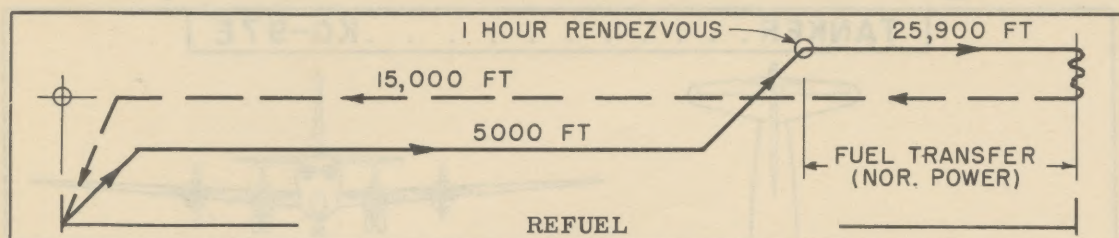
Max Fuel Capacity: 14,990gal
(incl AFR tanks)

PERSONNEL

Crew (normal)6

Pilot
Co-pilot
Navigator
Radio Operator
Flight Engineer
Boom Operator

Characteristics Summary Basic Mission KC-97E



PERFORMANCE

COMBAT RADIUS	FERRY RANGE	S P E E D
1000 naut. mi with 43,896 lb payload at 202 knots avg. in 10.3 hours.	5788 naut. mi with 14,316 gal fuel at 191 knots avg. in 30.3 hours at 175,000 lb T.O. wt.	COMBAT 331 knots at 25,900 ft alt, max power MAX 331 knots at 26,000 ft alt, max power BASIC 279 knots at 5000 ft alt, max power
C L I M B	C E I L I N G	T A K E - O F F
555 fpm sea level, take-off weight normal power	22,500 ft 100 fpm, take-off weight normal power	ground run 6500 ft no assist — ft assisted
2420 fpm sea level, combat weight maximum power	33,050 ft 500 fpm, combat weight maximum power	over 50 ft height 8150 ft no assist — ft assisted
L O A D	W E I G H T S	S T A L L I N G S P E E D
Transfer fuel: 43,896 lb Fuel: 7000 gal protected 0 % droppable 0 % external 0 %	Empty..... 83,987 lb Combat... 102,205 lb Take - off 175,000 lb limited by strength	108 knots power-off, landing config- uration, take-off weight TIME TO CLIMB _____

NOTES

- Performance Basis:
 - Flight Test
 - Maximum power is the same as normal power above 6500 ft.
- Revision Basis: To revise security classification, power plant designation and guaranteed engine ratings.